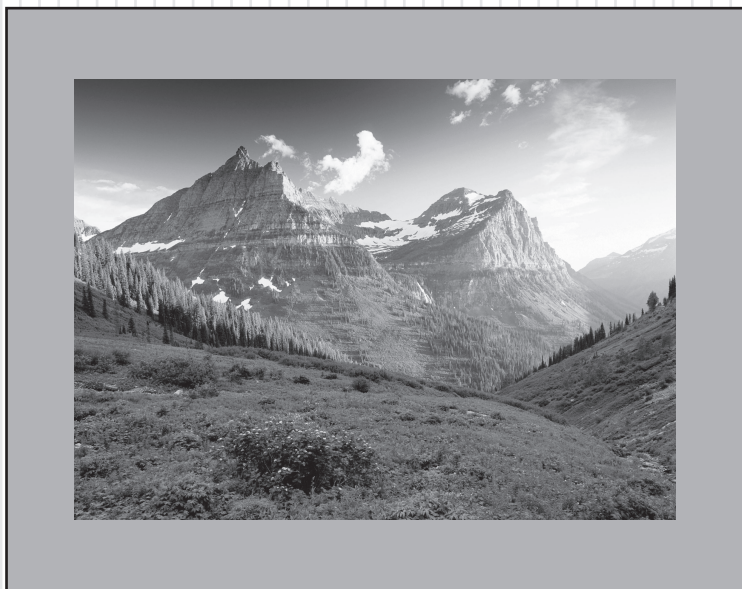


Montana
Comprehensive Assessment
System (MontCAS, Phase 2)
Criterion-Referenced Test (CRT)

COMMON CONSTRUCTED-RESPONSE ITEM RELEASE
MATHEMATICS, GRADE 4

2007



OFFICE OF PUBLIC INSTRUCTION

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Mathematics

Session 1 (Calculator)

This test session includes a question for which you must show your work or write out your answer. You may use a calculator during this part of the test.

25. The students in Mr. Wilson's class voted today for class president. Their votes are shown below.

Pat	Terry	Jamie	Terry
Terry	Jamie	Jamie	Terry
Jamie	Terry	Pat	Jamie
Terry	Pat	Terry	Terry
Jamie	Terry	Jamie	Pat

- On the grid in your Student Response Booklet, make a tally chart to show how many votes each student received. Be sure to correctly title and label your tally chart.
- Write one math question that can be answered using the information in your tally chart. Your question should use information about at least two of the students on the tally chart.

Scoring Guide

Score	Description
4	4 points
3	$3 - 3\frac{1}{2}$ points
2	$2 - 2\frac{1}{2}$ points
1	$\frac{1}{2} - 1\frac{1}{2}$ points
0	Response is incorrect or contains some correct work that is irrelevant to the skill or concept being measured.
Blank	No response.

Scoring Notes

Part a:	$\frac{1}{2}$ point	for correct title on tally chart AND $\frac{1}{2}$ point for appropriate title on student column AND $\frac{1}{2}$ point for appropriate title on number of votes column AND $1\frac{1}{2}$ points for all tallies being correct OR 1 point for 2 out of 3 tallies being correct OR $\frac{1}{2}$ point for 1 out of 3 tallies being correct
Part b:	1 point	for a question comparing or using data from two students in tally chart; question must be in context

Sample Responses:

Class President	
Student	Votes
Pat	[4 tally marks]
Terry	[9 tally marks]
Jamie	[7 tally marks]

Part a:

Part b: How many more votes did Terry have than Pat?

Score Point 4

Sample 1

How many more votes did Terry get than Jamie?

kids voted for president

child	votes
pat	III
Terry	III IIII
Jamie	III II

Score Point 4

Sample 2

Ⓑ How many more votes did Terry have than Jamie?

9 Answer is 2 Ⓐ

$$\begin{array}{r} 9 \\ - 7 \\ \hline 2 \end{array}$$

Person	Votes for President Tally
Pat	
Terry	
Jamie	

Score Point 3

Sample 1

A

Class	President
Pat	
Jamie	
Terry	

B

How many
more votes does
Terry have
than Pat?

Score Point 3

Sample 2

B How many more votes did Terry get than Pat?

A

NUMBER OF VOTES	
NAME	NUMBER OF VOTES
PAT	
TERRY	
JAMIE	

Score Point 2

Sample 1

Students	Tally for votes	How many?
Pat		4
Ferry		9
Jamie		7

How many would Pat
had if we added 99
more votes?

How many would
Jamie have if she took
away 6?

Score Point 2

Sample 2

pat IIII
terry IIIII
jamie IIII

how many not vos dos terry
have then jamie

$$\begin{array}{r} 7 \\ - 8 \\ \hline 1 \end{array}$$

Score Point 1

Sample 1

Teri ~~||||~~ |||
Pat. ||||
Jam ~~||||~~ ||

$$7 \times 8 = 56$$

Score Point 1

Sample 2

P IIII
T ~~IX~~ IIII
J ~~IX~~ II

What if Terry and Jamie
got a tie, who would win?

Score Point 0

Sample 1

Pat has 4 votes to be
the president of the classroom
and Jamie has 7 and that
makes 11

$$4 + 7 = 11$$

PAT TERRY JAMIE TERRY
TERRY JAMIE JAMIE TERRY
JAMIE TERRY PAT JAMIE
TERRY PAT TERRY TERRY
JAMIE TERRY JAMIE PAT

PAT	1	2	3	4					
TERRY		2	3	4	5	6	7	8	9
JAMIE		2	3	4	5	6	7		

Score Point 0

Sample 2

